Index of Claims

| Application No. | Applicant(s)      | _        |
|-----------------|-------------------|----------|
| 09/755,182      | KATSUYAMA, YUTAKA | <b>\</b> |
| Examiner        | Art Unit          |          |
| Yon Couso       | 2625              |          |

| ^ | Rejected |  |
|---|----------|--|
| = | Allowed  |  |

| _ | (Through numeral) Cancelled |
|---|-----------------------------|
| ÷ | Restricted                  |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla                    | aim           |                                |                 |          | Di        | ate      | )        |          |          |   |      | Cla   | im       |                 |          |          | Di        | ate      |         |                    |          | İ         | CI           | aim        |           |          |               | D        | ate      |          | _        |           | $\Box$   |
|------------------------|---------------|--------------------------------|-----------------|----------|-----------|----------|----------|----------|----------|---|------|-------|----------|-----------------|----------|----------|-----------|----------|---------|--------------------|----------|-----------|--------------|------------|-----------|----------|---------------|----------|----------|----------|----------|-----------|----------|
| Final                  | Original      | 18                             |                 |          |           |          |          |          |          |   |      | Final | Original |                 |          |          |           |          |         |                    |          | -         | Final        | Original   |           |          |               |          |          |          |          |           |          |
| $\vdash$               | 1             | -                              | $\vdash$        | +        | +         | $\dashv$ | $\dashv$ |          |          |   | -    |       | 51       |                 | $\dashv$ | +        | $\dagger$ | $\dashv$ | 十       | $\dagger$          | ╁┈       |           |              | 101        | $\exists$ | $\dashv$ | $\dagger$     | †        | 1        | 7        | $\dashv$ | 寸         | ┨        |
|                        | 2             |                                |                 | $\top$   | 1         | 1        | 一        |          | П        |   |      |       | 52       | П               | 7        |          | $\top$    |          |         | T                  |          |           |              | 102        |           |          |               |          | Ī        |          | $\Box$   | $\Box$    |          |
|                        | 3             |                                |                 |          | I         | $\Box$   |          |          |          |   |      |       | 53       |                 |          |          | $\Box$    | $\Box$   |         | $oxed{oxed}$       | $\Box$   |           |              | 103        |           |          |               |          | $\perp$  |          | $\perp$  | $\perp$   | $\Box$   |
|                        | 4             |                                |                 | $\perp$  | $\perp$   |          |          |          |          |   |      |       | 54       |                 | $\Box$   | $\perp$  | _         | $\perp$  |         | $oldsymbol{\perp}$ | L.       | 1         |              | 104        | $\Box$    | _        | $\perp$       |          | 4        | $\dashv$ | $\dashv$ | $\dashv$  | _        |
|                        | 5_            |                                | Ш               | $\perp$  | $\perp$   | _        | _        |          |          |   |      |       | 55       | Щ               | _        | _        | 4         | 4        | ┸       | $\perp$            | ــــ     |           |              | 105        |           | _        | _             | $\dashv$ | 4        | _        | 4        | $\dashv$  | 凵        |
|                        | 6             | <u> </u>                       | Щ.              | 4        | 4         | _        | _        |          |          |   |      |       | 56       | $\sqcup$        | _        | 4        | 4         | 4        | 4       | 1                  | ╄        | ē         |              | 106        | _         | -        | $\dashv$      | -        | 4        | 4        | $\dashv$ | -         | -        |
|                        | 7             | <u> </u>                       | $\vdash$        | _        | 4         | 4        | _        |          | -        | _ |      |       | 57       | $\vdash$        | $\dashv$ | +        | 4         | _        | +       | +-                 | ╄        |           |              | 107        | $\dashv$  | -+       | -             | -        | -        |          | $\dashv$ | $\dashv$  | $\dashv$ |
|                        | 8             | L                              | <b>├</b>        | +        | +         | -        |          |          |          |   |      |       | 58       | $\vdash$        | $\dashv$ | +        | +         | +        | +       | +                  | ┾        |           | <u> </u>     | 108<br>109 |           | $\dashv$ | +             | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |
|                        | 9             | ⊢                              | <b>├</b> ─┼     | +        | +         | -        |          | -        | Н        |   |      |       | 59<br>60 | $\vdash$        | +        | +        | +         | +        | +       | ┿                  | ╁        |           | <u> </u>     | 110        | $\dashv$  | -+       | $\dashv$      | +        | +        |          | $\dashv$ | $\dashv$  | $\dashv$ |
|                        | 10<br>11      | H                              | $\vdash$        | +        | +         | +        |          |          | Н        | _ |      |       | 61       | Н               | $\dashv$ | +        | +         | +        | +       | ╁                  | $\vdash$ |           |              | 111        |           | $\dashv$ | $\dashv$      | ╅        | ┪        | ┪        | $\dashv$ | 十         | $\dashv$ |
| $\vdash \vdash$        | 12            | -                              |                 | +        | +         | $\dashv$ | -        | $\vdash$ | $\vdash$ |   | 2    |       | 62       | $\vdash \vdash$ | $\dashv$ | +        | +         | +        | +       | +                  | +-       | 4 7 3     |              | 112        | -         | $\dashv$ | $\dashv$      | +        | $\dashv$ | $\dashv$ | +        | $\dashv$  | $\dashv$ |
| $\vdash\vdash\vdash$   | 13            | -                              | ++              | +        | +         | -+       | $\dashv$ |          | $\vdash$ |   |      |       | 63       | $\vdash$        | $\dashv$ | $\dashv$ | +         | $\dashv$ | +       | +                  | $\vdash$ | 1         |              | 113        | $\dashv$  | -+       | $\dashv$      | $\dashv$ | +        | $\dashv$ | $\dashv$ | 十         | $\dashv$ |
| $\vdash\vdash$         | 14            | $\vdash$                       | $\vdash$        | $\dashv$ | +         | $\dashv$ | $\dashv$ | $\dashv$ | Н        |   | 100  |       | 64       | $\vdash$        | $\dashv$ | +        | $\top$    | +        | +       | T                  | $\vdash$ | 4         |              | 114        | $\dashv$  | $\dashv$ | $\dashv$      | $\dashv$ | 7        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |
| $\vdash$               |               | V                              |                 | 十        | $\dagger$ | 7        | $\dashv$ | $\neg$   | Н        |   |      |       | 65       | H               | 十        | 十        | ╅         | +        | $\top$  | $\top$             | 1        |           |              | 115        | $\neg$    | $\dashv$ | 十             | 1        | 7        | $\dashv$ | $\dashv$ | 寸         | $\dashv$ |
|                        | 16            | Ť                              | $\vdash$        | _        | +         | 寸        | 一        |          |          |   |      |       | 66       | Ħ               |          | 1        | T         | T        | T       | $\top$             |          | , ,       |              | 116        |           |          | $\dashv$      | $\neg$   |          | T        | T        | T         | ヿ        |
|                        | 17            |                                | П               | 十        | T         | ヿ        | ヿ        |          |          |   | 4    |       | 67       |                 |          | T        | 寸         | T        | T       |                    | Т        |           |              | 117        |           |          |               | $\Box$   | T        |          | $\Box$   | $\Box$    | $\Box$   |
|                        | 18            |                                |                 | 十        | 7         |          | $\neg$   |          |          |   | ÷    |       | 68       |                 |          |          |           |          |         |                    |          | g. 3      |              | 118        |           |          |               |          |          |          | $\Box$   | $\Box$    | $\Box$   |
|                        | 19            |                                |                 | T        |           |          |          |          |          |   |      |       | 69       |                 |          |          | ŀ         |          |         |                    |          |           |              | 119        |           | $\Box$   | $\Box$        |          |          |          | $\Box$   | $\Box$    |          |
|                        | 20            |                                |                 |          | $\prod$   |          |          |          |          |   |      |       | 70       |                 |          | Ш        |           |          |         | <u> </u>           |          | 1.00      |              | 120        |           |          | ightharpoonup | $\perp$  | ┙        |          | _        | $\dashv$  | _        |
|                        | 21            |                                |                 | $\perp$  |           |          | _]       |          |          |   |      |       | 71       |                 | $\perp$  |          | ᆚ         | _        | ┸       | 1_                 | <u> </u> | - 5       |              | 121        |           | $\perp$  | 4             | 4        | 4        | _        | $\dashv$ | 4         |          |
|                        | 22            | L                              |                 | $\perp$  |           |          | _        |          |          |   | ļ.,  |       | 72       |                 | _        |          | 4         | _        | ┸       | _                  | <u> </u> | ÷,        |              | 122        |           | _        | _             | 4        | _        | _        | $\dashv$ | _         | _        |
|                        | 23            | _                              | $\sqcup$        | 4        | $\perp$   | 4        | _        | _        | Ш        |   | ٠,   |       | 73       | $\sqcup$        | 4        | 4        | 4         | 4        | 4       | $\bot$             | ╄        | 5         |              | 123        | _         | 4        | +             | +        | 4        | -        | -        | $\dashv$  | 괵        |
|                        | 24            | <u> </u>                       | $\vdash$        | 4        | 4         |          | _        |          |          |   |      |       | 74       | Н               | -        | $\dashv$ | +         | 4        | +       | +                  |          |           |              | 124        |           | _        |               | +        | +        | $\dashv$ | $\dashv$ | $\dashv$  | ᅱ        |
| $\vdash$               | 25            | _                              | $\vdash$        | +        | +         | -        |          |          | Н        |   | -    |       | 75       | $\vdash$        | $\dashv$ | +        | +         | +        | +-      | +-                 | ┢        | Jh 1      |              | 125        |           | $\dashv$ | +             | $\dashv$ | +        | $\dashv$ | +        | $\dashv$  | $\dashv$ |
|                        | 26            | <del>  ,</del>                 | $\vdash$        | -        | +         | $\dashv$ | $\dashv$ |          |          | _ | 2.0  |       | 76<br>77 | $\vdash$        | $\dashv$ | +        | +         | +        | +       | +                  | ╁        |           | <u> </u>     | 126<br>127 | -         | +        | +             | +        | ᆉ        |          | +        | $\dashv$  | $\dashv$ |
| $\vdash$               | 27<br>28      | <del>  /</del>                 | ╁               | +        | +         | -        | $\dashv$ |          |          |   |      |       | 78       | $\vdash$        | $\dashv$ | +        | ╁         | $\dashv$ | +       | +                  | $\vdash$ |           | -            | 128        |           | $\dashv$ | +             | +        | $\dashv$ | -+       | +        | +         | $\dashv$ |
| $\vdash$               | 29            | V                              | $\vdash$        | +        | +         | $\dashv$ |          |          | -        | _ | (V)- |       | 79       | H               | $\dashv$ | +        | ╅         | +        | +       | +                  | ╁        | ÷4,       | <del> </del> | 129        | $\dashv$  | $\dashv$ | +             | +        | ┪        |          | $\dashv$ | 十         | $\dashv$ |
| $\vdash$               | 30            | ⊢                              | -               | +        | +         | ┪        | $\dashv$ | -        | $\dashv$ |   | 1    |       | 80       |                 | -        | +        | +         |          | +       | ╁                  | +-       |           |              | 130        | $\dashv$  | $\dashv$ | 十             | -+       | ┪        | $\dashv$ | 十        | $\dashv$  | -        |
| $\vdash$               | 31            | $\vdash$                       | $\vdash$        | +        | +         | ┪        | $\dashv$ |          |          |   |      |       | 81       |                 | $\dashv$ | 十        | 十         | -+       | +       | +                  | $\vdash$ |           |              | 131        |           |          | $\dashv$      | +        | ┪        | _        | 十        | 十         | $\neg$   |
|                        | 32            |                                | $\vdash$        | +        | +         | +        | 一        | _        |          |   | e de |       | 82       |                 | 7        | 十        | $\top$    | +        | 十       | ╁                  | ╆        | 1         | -            | 132        | $\Box$    | _        | T             | 7        | ┪        | 寸        | ヿ        | 寸         |          |
|                        | 33            |                                |                 | 十        | 十         | 7        | ╗        |          |          |   | 1.8  |       | 83       | П               | 寸        | 十        | 1         | 7        | ✝       | $\top$             | $\top$   |           |              | 133        |           |          | T             |          |          |          | T        | $\exists$ | П        |
| П                      | 34            |                                |                 | $\top$   | $\dagger$ | T        | 一        |          | П        |   | ٠,   |       | 84       |                 | 寸        | 十        | 1         | _        |         | Τ                  |          |           |              | 134        |           |          |               |          | J        | 力        | $\Box$   | $\Box$    |          |
|                        | 35            |                                |                 |          | T         | J        |          |          |          |   | -    |       | 85       |                 |          | Ţ        | I         |          |         | L                  |          | . 1       |              | 135        |           |          |               |          | $\Box$   | $\Box$   | $\Box$   | $\Box$    |          |
|                        | 36            |                                |                 | I        | Ι         |          | $\Box$   |          |          |   | 7    |       | 86       |                 |          | $\Box$   |           |          | $\perp$ |                    |          | 1         |              | 136        |           | $\Box$   | $\Box$        | $\perp$  |          |          | $\Box$   | $\Box$    |          |
|                        | 37            |                                |                 | $\perp$  | I         | $\Box$   | J        |          |          |   | į,   |       | 87       | П               | $\Box$   | $\perp$  | $\perp$   |          | $\perp$ |                    |          | 10        |              | 137        | $\Box$    | _        | $\perp$       | _[       | _[       | [        | $\dashv$ | _[        | _        |
|                        | 38            | $oxedsymbol{oxedsymbol{oxed}}$ |                 |          | $\perp$   | $\int$   |          |          |          |   | ů,   |       | 88       |                 | _        | $\perp$  | $\perp$   | $\perp$  | $\perp$ | $\perp$            |          | 1         |              | 138        | _         | _        | $\dashv$      | _        | 4        | _        | _        | <b>ᆜ</b>  | _        |
| $\Box$                 | 39            | V                              | $\sqcup \bot$   | $\perp$  | 4         | 4        | _        | _        | $\Box$   |   | -0-  |       | 89       | $\sqcup$        | _        | 4        | $\perp$   | $\bot$   | +       | 4                  | $\vdash$ | ر<br>او د |              | 139        | $\dashv$  | $\dashv$ | $\dashv$      | 4        | 4        | $\dashv$ | $\dashv$ | $\dashv$  | ᅴ        |
| $\sqcup$               | 40            | L                              | $\vdash \vdash$ | 4        | +         | $\dashv$ | $\dashv$ |          | $\Box$   |   | lw.  |       | 90       | $\sqcup$        | $\dashv$ | +        | +         | +        | -       | +-                 | $\vdash$ | 1         |              | 140        | $\dashv$  | +        | +             | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | ႕        |
| $\square$              | 41            | L                              | $\vdash \vdash$ | +        | +         | 4        |          |          | $\vdash$ |   | 1    |       | 91       | $\vdash \vdash$ | $\dashv$ | +        | +         | +        | +       | +                  | ⊢        | p 12      |              | 141        |           | $\dashv$ | +             | +        | +        | $\dashv$ | $\dashv$ | +         | $\dashv$ |
| $\vdash$               | 42            | $\vdash$                       | $\vdash \vdash$ | +        | +         | $\dashv$ | 4        |          |          |   | · .  |       | 92<br>93 | ┝╌┼             | $\dashv$ | +        | +         | +        | +-      | +                  | $\vdash$ | i.        | $\vdash$     | 142        | $\dashv$  | +        | +             | +        | $\dashv$ | $\dashv$ | +        | $\dashv$  | $\dashv$ |
| $\vdash \vdash \vdash$ | 43<br>44      | -                              | $\vdash$        | +        | +         | +        |          | $\dashv$ | $\vdash$ | _ |      |       | 93       | $\vdash$        | $\dashv$ | +        | +         | ┰        | +       | +                  | +        |           | <u> </u>     | 144        |           | $\dashv$ | +             | +        | $\dashv$ | $\dashv$ | $\dashv$ | +         | ᅱ        |
| $\vdash$               | $\overline{}$ | 7                              | +               | +        | +         | +        |          |          | $\vdash$ | _ |      |       | 95       | $\vdash \vdash$ | $\dashv$ | +        | +         | +        | +       | +                  | $\vdash$ |           | $\vdash$     | 145        |           | $\dashv$ | -+            | +        | ┥        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |
| $\vdash$               |               | 7                              | $\vdash \vdash$ | +        | +         | +        | $\dashv$ | $\dashv$ | $\vdash$ | _ |      |       | 96       | $\vdash$        | $\dashv$ | +        | +         | +        | ╁       | +                  | $\vdash$ |           | $\vdash$     | 146        | $\dashv$  | $\dashv$ | +             | +        | $\dashv$ | $\dashv$ | +        | $\dashv$  | ᅱ        |
| $\vdash$               | 47            | ∀                              | $\vdash\vdash$  | +        | +         | $\dashv$ | -1       | $\dashv$ | -        |   |      |       | 97       | $\vdash$        | -+       | +        | +         | +        | +       | +-                 | +        |           | <del> </del> | 147        | $\dashv$  | $\dashv$ | +             | $\dashv$ | +        | -+       | $\dashv$ | $\dashv$  | ㅓ        |
| $\vdash$               |               | 7                              |                 | +        | +         | $\dashv$ | -        |          |          |   |      |       | 98       | $\vdash$        | $\dashv$ | $\top$   | +         | $\dashv$ | $\top$  | T                  | $\vdash$ | -         | $\vdash$     | 148        |           | $\dashv$ | $\dashv$      | $\dashv$ | 7        | $\dashv$ | $\dashv$ | +         | ᅥ        |
| $\vdash$               |               | 7                              |                 | $\top$   | $\dagger$ | 7        | _        | $\dashv$ |          |   |      |       | 99       |                 | _        | 十        | $\top$    | 十        | $\top$  | T                  | T        | 4         |              | 149        | $\neg$    | ヿ        | $\dashv$      | 1        | 7        | 一        | 十        | $\dashv$  | ㅓ        |
|                        | 50            | ∀                              |                 | $\top$   | $\top$    | 寸        | _        |          |          | _ |      |       | 100      | H               | 寸        | 寸        | 十         | $\top$   | 1       | T                  | T        | 1.        |              | 150        | 一         | 寸        | $\dashv$      | 十        | 7        | 7        | $\dashv$ | $\dashv$  | ヿ        |